	Application No.	Applicant(s)
Notice of Allowability	10/609,088	WARD ET AL.
	Examiner	Art Unit
	Yong Chu	1626
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to 8/4/2006.		
2. The allowed claim(s) is/are <u>1-6,8-11, and 5-20, renumbered as 1-16</u> .		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application
Notice of Prefiperson's Patent Drawing Review (PTO-948)	6. Interview Summary	· ·
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7. 🛭 Examiner's Amend	te
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material .	9.	

DETAILED ACTION

The previous Office action dated on 5/4/2006 has rejected claims 21-39, and allowed claims 1-6, 8-11, and 15-20. Applicant has canceled claims 21-39 by the Amendment filed on 8/4/2006.

Response to Amendment

The Amendment by Applicants' representative Jennifer P. Yancy dated on 8/4/2006 has been entered.

Reasons for Allowance

The present invention is directed to a method for removing acrolein from a process stream comprising (a) providing a process stream comprising acrolein; and (b) reacting said acrolein in the presence of an acid catalyst with a scavenger compound containing a reactable thiol or hydroxyl moiety to form an acrolein derivative in a refined process stream. The closest prior art reference of record is U.S. Patent 4,625,059 (Shibano *et al.*).

U.S. Patent 4,625,059 (Shibano *et al.*) discloses a method of purifying a 1,2-unsaturated carboxylic acid and or esters thereof by removing the aromatic aldehyde impurity (e.g. furfural and benzaldehyde) with a mercaptan compound at 20-120 °C in the presence of an acid catalyst. This prior art reference is distinct from the instantly claimed process because the aldehydes intended to remove are different. The Shibano aromatic aldehydes (e.g. furfural and benzaldehyde) are different from the

Application/Control Number: 10/609,088 Page 3

Art Unit: 1626

instantly claimed non-aromatic aldehyde (e.g. acrolein) in terms of activity toward mercaptan. Therefore, claims 1-6, 8-11, and 15-20 are allowed.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Chu whose telephone number is 571-272-5759. The examiner can normally be reached on 7:00 am - 3:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. M[©]Kane can be reached on 571-272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yong Ohu, Ph.D.

Art Unit 1626

oseph K. M^cKa

Supervisory Patent Examiner

Art Unit 1626